

Formal Conclusion Rubric

1st Paragraph:

- One or two sentence description of experiment
- Identify the problem and your hypothesis.
- Identify the variables in the experiment and explain which is the manipulated (independent) and responding (dependent) and why.
- Identify any variables you needed to control
- Describe how you measured each of these variables (operational definition).

2nd Paragraph:

- Summarize and explain your data (how did your data change? Use words like “increase” and “decrease”; use numbers to explain data ranges; explain your graphs, ID any patterns or trends, etc...)
- If your data was unpredictable and/or included data that is different from the rest, provide some explanation as to why it may have occurred.

3rd paragraph:

- List an extension for this experiment to be continued (add another variable?)
- List a limitation of this experiment that was encountered and how it may have affected your data (did you control all your variables? what may have prevented this experiment from being as accurate as possible?)

4th Paragraph:

- Explain what was learned as a result of this lab or experiment.
- How did your group work together? Did the experiment go as planned? If you had to do it again, what would you change?